

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher, Victor Frank, K6FV, intends to publish one current issue per month along with one technical issue for each of the months missed during 1993. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface or \$30 airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to 12450 Skyline Blvd., Woodside, CA 94062-4541 USA. If you can reach the Internet, my address there is frank@marie.sri.com The Bulletin may be freely quoted, provided that credit is given.

Six Meters Awakens in Africa!

John, 9H5EE, writes: "Hello friends on SIX meters! After a long spell of silence on the band, this evening (September 26) we had Ron, 7Q7RM and John, 7Q7JL at 1830Z. Spotted during a local QSO between themselves on 50.116, they were both very strong (+20 with me) and clean from any annoying TEP flutter. They started to fade out about an hour later, but I could still copy a weak but perfectly readable 7Q7RM CQing in CW at 2000Z. Ron said that he had 4X1IF in weak CW about an hour earlier. They also worked into EH a little later.

In the meantime, at 1900Z, Jack, V51KC gave me a shout. He was coming in at about S7 with me initially. He could read me better than I could as he was a difficult copy with the typical TEP flutter and QSB. At 1917Z, the QSB was becoming too much and I had to say 73, but I could still hear his voice beneath the CQ calls of 7Q7JL or 7Q7RM on 50.110 up to 1930Z or later. I believe he was in a QSO with someone else, but could not copy who."

Six Meter Es in September-October?

In the northern hemisphere, yet! Was this the tail of the summer Es season, or a portent of greater happenings this (northern hemisphere) winter, perhaps the sun burping a bit more than usual, or more 6 mtr operators being alert (or alerted)? John, 9H5EE, describes one of these openings:

"I would like to put on record today's (October 10) opening via Sporadic-E. I noticed the opening at 0945, but it must have started earlier. My last log entry was just before 1200Z, but the opening lasted a bit more. I could not stay QRV any later. The countries I logged were OZ, DL, PA, and SM. I could have missed one or two more. Italy was one country which I could copy in back- or side-scatter. The opening was solid and continuous with strong signals, but quickly going into QSB on most occasions with signals coming from all areas at random.

The evening provided 5T5/F5JKK for a new one into most of Europe, during which, many stations from various countries could be heard via scatter."

Two Meter Es in September!

According to Andy Cook's 2m Report in October 93 VHF-UHF DXer, IC8FAX in JN70 worked GW8JLY and GW4ZQV, both in IO81 at about 1150 on September 18, 1993—a very late opening for this year.

Subscription Renewals

A number of US subscribers have paid for first class subscription renewals (\$25). That's OK, we'll send future issues by first class. However, half of the issues have already gone out by third class mail. (That's only one of the problems caused by our not keeping current.) As a result, I've advanced those subscribers 13 months.

I'm trusting that those of you whose subscriptions ended during 1992 will eventually renew and we'll get the printing and postage deficit under control. Your subscription expiration date is on line 1 of your mailing label. EXP 9212 means your last paid issue was December 1992.

A 50 MHz Listings Box

A group of 50 MHz DXers suggested to me at W6JKV's latest BBQ that we publish a 50 MHz grid square or grid field box so the gang could see how everybody was doing.

I had even myself considered listing 50 MHz IOTA totals. *Islands On The Air*, last I heard, didn't include 50 MHz, and I thought that was a shame, because there are some perfectly good islands that see no 50 MHz DX-peditions because they are a small and hard-to-get-to part of some other "country". Islands like, say, Amchitka, Farallones, French Frigate Shoals, Nuku Hiva, Aitutaki, Trobriands, Tongatapu, Henderson, Sala y Gomez; well, you get the picture.

I have more than enough to do right now, but a "List" would fill some space and foster some *esprit de corps*. What I don't want to do is handle any "steenkin" QSL cards or arbitrate any "steenkin" boundary disputes.

What would be easiest to administer and avoid stepping on any other organization's turf would be grid fields; e.g., the first two letters in the grid square.

I don't care if the contact was before grid-squares were implemented in the U.S.A. How about post-WW II? Nor do I care if the DX station's operation was sanctioned, though I suppose the DX station should hold a license from somewhere. Most important, the DX station should really be in the grid field claimed. Maritime or Aeronautical mobile? Sure! Cross-band? 50-70 MHz? Why not? 50-28 MHz? Sorry!

We could have fixed station and rover listings, with the fixed station counting operation from a limited area and the rover counting the number of grid fields from which (s)he worked 3 other fields. How large should the fixed station area be? A grid field is probably too large, perhaps a 500 km diameter circle, or 4 joined grid squares would be fairer.

I propose that stations applying for listing send me a list or floppy with their own grid square(s), and the grid fields worked with the station worked, year, date, and time of QSO.

Rather than dictatorially putting this in place, I am hereby soliciting our reader's views. What do you think of the above? Should we require a minimum number (say 10) of grid fields for listing? Should we offer an award for 100?

Aug, Sept, Oct 1993 DX Reports

The following 50 MHz reports of DX heard and worked are primarily courtesy of G4UPS, SM7AED, and 9H5EE. The year (1993) is understood, the day of the month precedes the time, and both are in UTC. A + to the right of the time indicates the observation was one of several in a time period and the observation time is probably later than stated. A 4- or 6-digit grid square, frequency, and out time in () may be indicated. The call at the right indicates the reporting station. Symbols V = Video carrier, F = FM audio, B = beacon, C = CW, S = SSB.

News of Africa

Canary Islands:

10111830 EH8ACW ON4KST

Ceuta & Melilla Islands:

08270912 EH9IB S G4UPS 59
08270938+EH9IB S G4UPS 59
08300905 EH9IB S G4UPS 59
09041830 EH9IB 9H5EE
09051000 EH9IB S G4UPS 59
09091610+EH9IB (-1630) 9H5EE

Eritrea: (Recently returned to DXCC) During July and early August, the E31A DX-pedition worked 20 stations, all in the Mediterranean, 9H, I, 4X, etc. Tnx *Six News*.

Madeira: Cedric, CT3FT, writes "I see you list CT3 under 'Europe' but in fact we lie in the Atlantic, off Morocco; i.e., Zone 33 North West Africa!" Blush!

Mauritania: Alain, ON4KST, writes that 5T5/F5JKK is ex TL8MB, TA5ZA, ..., and will stay 22 months. QSL via F6FNU. John, 9H5EE, writes of Eric, 5T5JC: "He started his 6 mtrs activities on October 7 with a temporary call signing 5T5/F5JKK. He was only able to hear the ZD8VHF beacon. His first QSOs on his first 6 mtr opening were into Italy, Malta, and France on October 8 soon after 1600Z. He appeared around 1630Z on October 10 and soon worked into most of Europe, and later on into South America as well. On October 11, he worked only South America. On October 12, as I write this, he was worked a few stations in Europe, but mostly into 9H so far. On October 13, he was in to 9H5EE until at least 1815Z. He was also copying the SV9SIX beacon, but just missed working SV9 for a new one as SV9ANJ was late to come on the band. Eric reports a count of 17 countries so far in five days. Apart from Europe, he is having propagation to South America every evening.

Situated in Atar, some 225 mtrs above sea level, he is QRV on all bands from 160 mtrs to 23 cm. On 6 mtrs Eric runs about 55 Watts from a Tokyo HL-66V, driven by a Yaesu FT-736R, into a Tonna 5el Yagi about 17 mtrs above ground.

His previous 6 mtr operations included FY/FE1JKK, TL8MB, TA5ZA and, just recently, XU5DX. After a break of one month in France, he is now stationed in Mauritania for the next 22 months. He is there on his duties.

He hopes to be QRV for two hours in the mornings and two hours in the afternoons as well as during the whole evenings on the working days. On week-ends, which happen to fall on Fridays in Islamic Mauritania, he could possibly be found QRV all day. He shall be giving special attention to Six, the Magic Band.

His QSL info is: F6FNU, Antoine Baldek, PO Box 14, F-91291 Arpajon Cedex, France

Well-done, Eric, for yet another new country on SIX thanks to you!"

10101635 5T5/F5JKK (-1830) 9H5EE
10101727 5T5/F5JKK IL30AM S ON4KST
10102220 5T5/F5JKK (-2230) 9H5EE
10121800+5T5JC (-1845) 9H5EE
10131720 5T5JC (-1810) 9H5EE

Malawi:

08251816 7Q7RM C G4UPS 569
09261835+7Q7JL & 7Q7RM (-1930) 9H5EE
10121800+7Q7RM (-1845) 9H5EE
10131920 7Q7RM (-2000) 9H5EE
10151800 7Q7LA & 7Q7RM (-1930) 9H5EE
1020 7Q7RM KH74 PA3FYM

Morocco:

09051211 CN8ST S G4UPS 59
09241224 CN4ST G4UPS 59

Namibia:

08251816+V51VHF/B B G4UPS 339
09261835+V51KC (-1930) 9H5EE

South Africa:

10141640 ZS6PJS (-1650) 9H5EE

Western Sahara: *Six News* reports: "Results from S01AB have been disappointing during the Es season. According to EA2JG, a TS680s and 5 element beam have been available for some time, but rarely (if at all!) is it switched on.

Zimbabwe: From Mal Geddes, Z23JO/G2SO: "Am now 80.5 years old, but still interested in ham radio. I have worked 13 W6 stations on 6 mtr, but not for some months, and the band is pretty useless at the moment (Sept. 18). When the band wakes up again, I will certainly let you have details of stations worked."

In my reply of October 11, I stated: Would you please let me know what progress is made with the (Z21SIX) beacon? I also note that it is now the season for TransEquatorial scatter Propagation, and I would expect that you would be having frequent night time openings to Northern Africa and the Mediterranean. In the coming months, you should be having Sporadic-E openings throughout the southern half of Africa. Signals may no longer by the S9+ ones you have been used to, but there should be some weak signal stuff left. Fortunately there are a number of beacons that you may hear. I am sure our readers would like hear about what you are hearing/working.

As you can see, we are also publishing a "behind the times issue", the next one of which will be March 1993. If you worked/heard anything on 6m during February/March/April 1993, we would appreciate a note indicating what and when—note for instance HL9UH's log and FO5DR's log of TV video carrier reception.

09301915+Z23JO (-1925) 9H5EE

News of Asia

Cyprus: This from the Reuters News Agency as it appeared in September 30's *San Francisco Chronicle*:

"Nicosia. A love that blossomed across the Cyprus 'Green Line' was crushed when a Turkish Cypriot conscientious objector was thrown in jail and his Greek Cypriot girlfriend sent back across the barbed wire.

Yiota Nikolaou, 19, was handed over to U.N. officials at the Ledra Palace crossing of the line dividing the Turkish and Greek sectors of Nicosia yesterday, Turkish Cypriot officials said.

Police escorted Yiota and her child from the Famagusta home of her companion Salih Askeroglu's parents.

Askeroglu, 28, was detained by a Turkish military court and is to be tried tomorrow for refusing to serve in the army, Hurrem Tolga of the Conscientious Objectors Support Committee told Reuters.

He fell in love with Nikolaou from the other side of the U.N.-patrolled Green Line separating Turks and Greeks on the island where legend says Aphrodite, the goddess of love, was born.

They met a year ago when Askeroglu fled to the south to escape the army and obtain a Cypriot passport."

OK, so it's not DX, but it is interesting reading (see previous issue). Now is some official from South Korea going to tell us not to bother working North Korea because it isn't recognized by the United Nations either?

Taiwan: Received a letter from Richard Lu, BV2DP, who is active on 6 mtrs on Taiwan. He says "I've QSO'd many countries, but no U.S. 6 mtrs on Taiwan is allowed for experimental reasons, not open at all, but I think more and more BV stations are appearing on 50 MHz." His address is P.O. Box 10983, Taipei, Taiwan, R.O.C.

News of Europe

Andorra: From *Six News*: Fred, C31HK, started his 6m operation in May 1993. Early QSOs were with 10W and his HF vertical tuned with an ATU. From June onwards, Fred erected a full wave quad loop for 50 MHz, supported by bamboo and mounted over his balcony. He has now logged over 700 different stations from Europe, WA1OUB was also heard (but not worked) in early June. Country break downs, with the first station worked, followed by the number of QSOs with that country are listed below.

CN8ST (1), CT1WW (1), DL9YE (58), EH7CD (7), EH8ACW (1), EH9IB (1), EI7GL (4), F1SAH (17), G0JHC (347), GD3AHV (4), G4XFS (26), GJ4ICD (1), GM4BIT (14), GU7DHI (1), GW6VZW (26), IK4BHO (14), LA9ZV (5), LX2DX (3), OE5OU (3), ON9CFB (22), OZ1BVW (19), PA0HIP (109), SM7AED (6), S59AM (3), ZB0T (1), 9A3HZ (1), 9H1BT (9).

Austria:

08211850 OE2UKL	S G4UPS 57
08292000 OE1ETA	C G4UPS 599
08300730 OE6BMG	S G4UPS 59

Belgium: Alain, ON4KST, writes that all 50 MHz ON licenses are valid to the end of December 1993, and they don't know what the future will bring. He also reports 5T5/F5JJK, PY5CC, EH8ACW, & EH7AH which are listed under those countries.

09050755+O01LGS	9H5EE
10141650+ON1BBK	(-1745) 9H5EE
10151640+ON1SQ & ON1IL	(-1715) 9H5EE

Bosnia-Herzegovina: SM7AED provides us with the following radio amateur call structure:

T90aaa-zzz	Repeaters/Digipeaters
T91aaa-zzz	Club stations
T90a-z	Class A
T92aaa-zzz	Class E VHF FM
T93aaa-zzz	Class D VHF/UHF
T94aaa-zzz	Class B
T95aaa-zzz	Class C Novices
T96aaa-zzz	Class F 80 m CW only
T97	reserved Class A
T98	reserved Class A
T99	reserved Class

(tnx TDXM)

Corsica: Oct 93 *Six News* indicates that Serge, F5EMT operated as TK/F5EMT from JN42ln between July 5 and July 24. He used 10W and a vertical antenna. QSL to F5EMT: Serge Boutet, Chemin du Puy Saily, Saint Maurice, F-63270 Vic le Comte, FRANCE.

Crete:

08211920+SV9SIX/B	KM25 50.010 B G4UPS
08292035 SV9SIX/B	B G4UPS 599
08300827 SV9SIX/B	B G4UPS 579
08301700 SV9ANJ/B	B G4UPS 579
09041800 SV9ANJ	9H5EE
09041857 SV9SIX/B	B G4UPS 579
09050755+SV9ANJ	9H5EE
09051730+SV9ANJ	9H5EE

Croatia:

08291925+9A3AT	C G4UPS 559
08292000+9A2OB	C G4UPS 579
08300730+9A3AT	S G4UPS 59
08301655 9A3FT	S G4UPS 55
09291838 9A3HZ	JN86 C G4UPS 599
1017 9A3FT	JN83 PA3FYM

Czech Republic:

08251818+OK1DIG & OK1FAV	C G4UPS 559
08262137 OK2TT	JN89KU C G4UPS 589
08262139 OK1MJL	JO7OWN C G4UPS 599
08291940+OK1MAC	C G4UPS 569

Denmark:

08221025 OZ3SDL	S G4UPS 59
08221058+OZ1BVW & OZ1IJL	S G4UPS 59
08221058+OZ1ELF	S G4UPS 59
08221058+OZ6VHF/B	B G4UPS 599
08251027+OZ7IGY/B	B G4UPS 599
08261847+OZ3SDL	S G4UPS 59
08261847+OZ6VHF/B	B G4UPS 579
08261847+OZ7IGY/B	B G4UPS 559
09090900 OZ6VHF/B	B G4UPS 559
09131330+OZ7IGY/B & OZ6VHF/B	B SM7AED AUR
09131430 OZ5IQ	SM7AED AUR
10100950+OZ3AEV & OZ1ASL (-1150)	9H5EE
10100950+OZ4K & OZ4VV (-1150)	9H5EE
10100950+OZ9NI & OZ7JV (-1150)	9H5EE

England:

08221025+GB3LER/B	B G4UPS 599
08250804 GB3LER/B	B G4UPS 599
08290940 GB3LER/B	B G4UPS 599
08300950 GB3LER/B	B G4UPS 599
09010825 GB3RMK	C SP4TKK 599
09131330 GB3LER/B	B SM7AED AUR
09140800 GB3BUX/B	B G4UPS AUR
09201700+GB3LER/B	B SM7AED AUR
10141650+G4IGO & G7GLT (-1745)	9H5EE

Estonia:

08211820 ES0SIX/B	50.036 B G4UPS 589
08230900+ES0SIX/B	50.036 B G4UPS 589
08261820 ES0SIX/B	B G4UPS 579
08261820+ES5DE	S G4UPS 59

08291527+ES5DE	C G4UPS 559
08291528 ES6SIX/B K037MT 50.011	B G4UPS
08291535 ES0SIX/B	B G4UPS 589
08291940 ES6SIX/B	B G4UPS 579
08291940+ES0SIX/B	B G4UPS 579
08300827+ES0SIX/B	B G4UPS 579
08300912+ES1CW	C G4UPS 599
09131330+ES6SIX/B & ES0SIX/B	B SM7AED AUR
09131637 ES1CW	SM7AED AUR
1010 ES0SIX/B	B PA3FYM

Faroes Islands:

08221058+OY3JE	S G4UPS 59
08221058+OY9JD	S G4UPS 59
08222026 OY9JD	S G4UPS 57
08261227 OY9JD	S G4UPS 59
08291020 OY9JD	S G4UPS 59
09131440 OY9JD	SM7AED AUR

Finland:

08250740+OH1SIX/B	B G4UPS 569
08250930 OH3MF/9 KP36UN	C G4UPS 499
08261059 OH1NSJ KP11BG	S G4UPS 59
08291527 OH1NSJ	S G4UPS 59
08291535+OH1SIX/B	B G4UPS 559
08291600 OH6AH KP12TS	C G4UPS 599
08291636+OH2BNP	S G4UPS 59
08300912+OH2AC	S G4UPS 59
08301000 OH5NR	C G4UPS 569
09201700+OH9SIX/B & OH1SIX/B	B SM7AED AUR
1010 OH3XA & OH3MF	PA3FYM
1010 OH2BGX & OH2BNH	PA3FYM
1010 OH7OI & OH1SIX/B	PA3FYM

France:

08231220+FRENCH TV 50.100	F G4UPS 59
08231232 F5OLS IN94OU	S G4UPS 59
08300844+F5HGT	S G4UPS 59
08301000+FRENCH TV 50.100	F G4UPS 59
09050755+F1BRV, F1BBK, & F5BYM	9H5EE
09101230+FRENCH TV 50.025	F G4UPS 59
10021820+F6FEF (-1917)	9H5EE
10131800 F5QT (-1805)	9H5EE
10141650+F5PKX (-1745)	9H5EE
10151640+F5ID (-1715)	9H5EE

Germany:

08221058+DL7ARM	S G4UPS 59
08251900 DL/ON/PA/F/SM3UCA	S PY5CC
08262150+DL7QY	C G4UPS 579
08300800+DL6EW	S G4UPS 59
10100950+DK2NH (-1150)	9H5EE
10100950+DL10Y (-1150)	9H5EE
10100950+DL8HCZ & DJ8ZJ (-1150)	9H5EE
10141650+DJ8ZJ (-1745)	9H5EE
10141650+DK8KW & DK7ZB (-1745)	9H5EE

Greece:

08301630 SV1SIX/B	B G4UPS 569
08301655 SV1OH	S G4UPS 57
09041843 SV1OH	S G4UPS 57
09051547 SV1DH	SM7AED
09051730+SV1UN & SV1OH	9H5EE

Iceland:

09201700+TF3SIX/B	B SM7AED AURE
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Italy: Luca, IK2AEQ, who is the VHF manager for ARI, has recently moved to a new address: Luca S. Vanni, IK2AEQ, Via Ustica 18, I-20022 Castano Primo, Italy.

08212055 IK2GSO	S G4UPS 59
08231117+I1LNU	S G4UPS 59
08231117+IK1HSS	C G4UPS 579
08251945 IK3GRV & IOJX & I6QNT	S G4UPS 59

08291940+IK1VBN	C G4UPS 559
08292035 IK6FHD	S G4UPS 59
08300800+I2ELJ	S G4UPS 59
08300827+I2OKW	S G4UPS 59
10021820+IK1EGC (-1917)	9H5EE
10141650+IK2IQD (-1745)	9H5EE
1017 I7CSB & IK6GZM	PA3FYM
1017 I8RAR & IK8AUC	PA3FYM
1017 IK0FTA & IK0OKY	PA3FYM

Malta:

08220915+9H5EE & 9H5ET	S G4UPS 55
08230900 9H1SIX/B	B G4UPS 579
08230914 9H5ET	S G4UPS 57
08230953 9H5ET	S G4UPS 59
08231235+9H1SIX/B	B G4UPS 559
08241524 9H5EE	S G4UPS 59
08241524+9H1SIX/B	B G4UPS 559
08301012+9H4AC	S G4UPS 57
09050817 9H1AL	C G4UPS 569
09060721 9H5ET	SM7AED
1010 9H5EE	PA3FYM

Macedonia: *Six News* reports: "Z31DX has apparently received his transverter, but very little has been heard of him so far. Dime, Z32UC in KN11CR is also QRV, but only with 500 mW and a dipole. He hopes to have 25W and a 5 element beam soon."

Moldavia: *Six News* reports: "It is rumored that the station signing UO5OK this July was not in fact UO5OK. His QSL manager UT5RP states he is not QRV on 6m!"

Netherlands: PA3FYM indicates he will follow Frank, PA3BFM as the 50 MHz VHF manager in the Netherlands. He also indicates that negotiations are being made with the Dutch PTT about the allocation of 50 MHz to the Dutch amateurs in the future. The current allocation is on the basis of a special permit which expires December 31, 1993. He also passes on his Internet address (besten@chem.ruu.nl) and packet (AX25): PA3FYM@W2XO.#WPA.*PA.USA.NA as well as some DX loggings.

10100950+PA0OSS & PA3BFM (-1150)	9H5EE
10100950+PA0PEV (-1150)	9H5EE
10100950+PA3FYM & PA3FHK (-1150)	9H5EE
10100950+PE1CTM & PE1PIU (-1150)	9H5EE
10100950+PE1DVW (-1150)	9H5EE
10100950+PE1NIK & PE1IWT (-1150)	9H5EE
10151640+PA0LSB (-1715)	9H5EE

Norway:

08221150 LA1KHA	S G4UPS 59
08250820 LA9ZV	S G4UPS 59
08250916 LA1IC	S G4UPS 59
08260939 LA9ZV	S G4UPS 59
08261014 LA3EDA JP50CG	C G4UPS 599
08261207 LA3DV JO49WS	S G4UPS 59
08261213 LA/G7BED/M JP30	S G4UPS 59
08261826 LA1IC	S G4UPS 59
08300800+LA1IC	S G4UPS 59
09201700+LA7SIX/B	B SM7AED AUR

Poland: Andy, SP3UCA, is not listed in any callbook and requests that anyone needing a QSL card should send it to his local club station, SP3PMA, either direct or via the bureau. Andy runs 10 Watts to a 4-element yagi.

08211850+SP5CCC	S G4UPS 59
08221005 SP5CCC	S G4UPS 59
08221057 SP3UCA JO92DF	S G4UPS 59
08221058 SP6GZZ JO81	S G4UPS 59
08221058+SP5NHF	S G4UPS 59
08251023 SP3VZY JO82LH	S G4UPS 59

08251424	SP3VZY		S	G4UPS	59	08301630+4N1SIX/B		B	G4UPS	579
08251439	SO5ASL	RO02	S	G4UPS	59	08301717	YU1MW	C	G4UPS	569
	(G4ASL, Steve, on holiday)					09041843+4N1SIX/B		B	G4UPS	569
08251736	SP6BTI	JO81HI	S	G4UPS	59	09041843+YT1AU		S	G4UPS	559
08251830	SP5CCC		S	G4UPS	59	09041843+YU7AU		S	G4UPS	57
08251836	SP3UCA		S	G4UPS	59	09050755+YU1EU		9H5EE		
08262114	SP7JSG		C	G4UPS	599	09051730+YT1AU		9H5EE		
08262150	SP3VZY		S	G4UPS	59	09051835	YU1EU	S	G4UPS	56
08291748	SP5EFO		S	G4UPS	59	09051837	4N1SIX/B	B	G4UPS	559
08291748+SP3UCA			S	G4UPS	59	09291835	YU1EU	RO04	S	G4UPS
08291748+SP4TKK			S	G4UPS	57	10141650+YT1IQ		(-1745)	9H5EE	
08291748+SP6GZZ			S	G4UPS	55	10141650+YU1EU & YU1QC		(-1745)	9H5EE	
08291925	SO5ASL		S	G4UPS	59	10141650+YU7FU		(-1745)	9H5EE	
08300844	SP5TKK	RO03	S	G4UPS	59	1017	YU1ABA & YU7FU & YU1AD		PA3FYM	
09042038	SP5EFO		C	G4UPS	599	1017	4N1SIX/B		PA3FYM	59
10111835	SP3UCA			9H5EE		1017	YU1SIX	50.087	B	PA3FYM
10121800+SP3UCA		(-1845)		9H5EE						

Portugal:

08211920	CT0WW/B		B	G4UPS	599
08222020	CT0WW/B		B	G4UPS	579
08222020+CT1WW			S	G4UPS	57
08231010	CT0WW/B		B	G4UPS	59
08231117+CT0SMB/B			B	G4UPS	569
08241625+CQ7CBI			S	G4UPS	59
08241654	CT0WW/B		B	G4UPS	579
08251750	CT1LN & CT0SMB/B		C	G4UPS	579
08270730	CT0WW/B		B	G4UPS	599
08270920	CT0WW/B		B	G4UPS	559
08270938	CT0SMB/B		B	G4UPS	559
08281755	CT0WW/B		B	G4UPS	599
08292000	CT0WW/B		B	G4UPS	579
08292000+CT0SMB			C	G4UPS	559
08292000+CT1WW			S	G4UPS	59
08300800+CT0WW/B			B	G4UPS	599
08300827+CQ7CBI			S	G4UPS	59
08301000+CT1BGE			S	G4UPS	59
08301012	CT4KQ		C	G4UPS	599
08301012+CT0WW/B			B	G4UPS	599
08301833+CT0WW/B			B	G4UPS	599
09251110	CT0WW/B		B	G4UPS	559
09251115	CT0SMB/B		B	G4UPS	559

Rhodes:

08292013	SV5TS		S	G4UPS	59
09051730+SV5/G00FN/P				9H5EE	

Russia, European:

08260915	RUSSIAN INBAND TV		V	G4UPS	59
08291515	RU1A		C	G4UPS	599
08300827+RU1A			S	G4UPS	57
08300859	RU1A	KO48VR	S	G4UPS	59
08300912	RA3YO	KO73	C	G4UPS	579
08301000+RU1A			C	G4UPS	559
08311020	RUSSIAN INBAND TV		V	G4UPS	59

Scotland:

08221218	GM3XOQ		S	G4UPS	59
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Serbia:

08251836+YU1AU			S	G4UPS	57
08251836+YU1MW			S	G4UPS	559
08251850	4N1SIX/B		B	G4UPS	579
08261815	YU1ABA		C	G4UPS	559
08261815+4N1SIX/B			B	G4UPS	579
08270734+4N1SIX/B			B	G4UPS	579
08280835	4N1SIX/B		B	G4UPS	559
08290845	4N1SIX/B		B	G4UPS	559
08290925	YU7AU		S	G4UPS	57
08291940+4N1SIX/B			B	G4UPS	579
08291940+YT1AU			C	G4UPS	569
08300730+4N1SIX/B			B	G4UPS	599
08300730+YU1AD			S	G4UPS	57
08300730+YU7AU			S	G4UPS	59
08301610	YU1AD		C	G4UPS	559
08301610+4N1SIX/B			B	G4UPS	569

Sardinia:

08231144	IS00MH	JN40EU		C	G4UPS	599
	(Well known HF man now on 6m)					
08250936	IS0AGY			S	G4UPS	59

Sicily:

08220915	IT9CHU		S	G4UPS	59
08230914+IT9SGC			S	G4UPS	59
08241635	IT9IPQ/IT9		S	G4UPS	59
08301745	IT9DQM		S	G4UPS	57

Slovakia:

08251818+OM3ID				C	G4UPS	559
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Slovenia:

08211920+S55ZRS/B			B	G4UPS	599
08231235	S55ZRS/B		B	G4UPS	579
08251035	S55ZRS/B		B	G4UPS	599
08251818	S51UF		C	G4UPS	579
08251836+S52AU			C	G4UPS	569
08251920	S55ZRS/B		B	G4UPS	569
08270734+S55ZRS/B			B	G4UPS	599
08291925+S51UF			C	G4UPS	579
08301717+S57AC			C	G4UPS	579
09141745	S55ZRS/B		B	G4UPS	579
09291838+S55ZRS/B			B	G4UPS	579

Spain: From *Six News*: Rafa, EA3IH/EH3IH sends along a report detailing his first year on 6m. His first QSO was on July 11 1992 with Paul, 9H1BT. Since then he has made over 1000 QSOs around Europe and with ZS, 7Q, TU, TR8, ZD8, A2, Z2, 3X, ZS9, V51, 9J2, CX and PY. Rafa uses a Spectrum transverter delivering 25W and an HB9CV.

08211920+EH7ERS			S	G4UPS	59
08221655	EH7CD		S	G4UPS	59
08221940	EH1QJ		C	G4UPS	579
08230914+EH7AJ			C	G4UPS	579
08231030	EH3AQJ		S	G4UPS	59
08231105	EH3MD/P	JN02KI	S	G4UPS	59
08231117	EH5BZS/P	JM09AX	S	G4UPS	59
08231220	EH7FTH		S	G4UPS	57
08231220+EA3VHF/B			B	G4UPS	599
08231220+EH3IH			C	G4UPS	579
08231220+EH3LL			S	G4UPS	59
08241527	EH7AJ		C	G4UPS	569
08241545	EH5DY/P	JM08	S	G4UPS	59
08241610	EH7AG		S	G4UPS	59
08241625	EH1AST & EH7BIH		S	G4UPS	59+
08241625+EH7ERS & EH7AH			S	G4UPS	59/57
08241654+EH1KV & EH1EH			C	G4UPS	599
08270734	EA1MO	XBAND	S	G4UPS	59
08270734+EH1EH			C	G4UPS	579
08270734+EH7AJ & EH7AH			S	G4UPS	59
08270912+EH1DVY/P			S	G4UPS	59
08291940+EH7ESB			S	G4UPS	57
08300800+EA6SIX/B			B	G4UPS	559
08300800+EH7ERS			S	G4UPS	59

08301833	EH3LL		C	G4UPS	599
09041857	EH7AJ		C	G4UPS	599
09051043	EH7AH		S	G4UPS	59
09051211	EH7AJ		S	G4UPS	59
09101225	EH1DVY/P	IN82RC	S	G4UPS	59
09101228	EH1EH	IN82	C	G4UPS	599
09101230	EH7AJ	IM87	C	G4UPS	599
09131649	EH1DVY/P	(-1652)		9H5EE	
09240758	EA9IB	(via G4UPS)		ON/PA	
10021820	EH3BTZ & EH3AQJ	(-1917)		9H5EE	
10111853	EH7AH			ON4KST	
10151640	EH1EH	(-1715)		9H5EE	

Sweden: From SM7AED's 6-meter Newsheet: The Swedish 50 MHz stations must report their activity once a year, otherwise they lose their license. This is a one-year summary ending March 31, 1993 from the list of the Swedish VHF manager SM0FSK.

District	#stations	#QSOs	Most active stations
SM0	32	382	SM0OGX SM0KAK SM0CHH SM0KCR
SM1	5	1023	SM1LPU SM1ALH
SM2	2	57	SM2BYA
SM3	21	1906	SM3EQY SM3JGG SM3BIU
SM4	1	278	SM4BRD
SM5	10	849	SM5PRE SM0LCB/5
SM6	32	1859	SM6CMU SM6CYZ SM6EAN
SM7	37	6570	SM7FJE SM7AED SM7CMV
TOTAL	140	15624	

08221025	SM7CMV		S	G4UPS	59
08221058	SM0KCR & SM6CYZ		C	G4UPS	599
08221058	SM5INC		C	G4UPS	579
08221500	SM3EQY		S	G4UPS	59
08222050	SM3EQY			G4UPS	
08250913	SM3RPQ	JP74BT	S	G4UPS	59
08251027	SM3RPP		S	G4UPS	57
08261014	SM0KCR		C	G4UPS	599
08261059	SM0KCR		C	G4UPS	599
08261122	SM3RPP		S	G4UPS	57
08261820	SM0KCR		C	G4UPS	599
08261820	SM3BIU		S	G4UPS	57
08261826	SM1LPU/1 & SM0KFV		S	G4UPS	59
08261826	SM7CMV & SM3GHW		S	G4UPS	59
08261847	SM1LPU/1	JO96BW	C	G4UPS	59
08291615	SM6EHY	JO67	C	G4UPS	599
08291615	SM0KCR		S	G4UPS	59
08291636	SM6UMO	JO68DH	S	G4UPS	59
08291636	SM6CMU		S	G4UPS	59
08300800	SM7AED	JO65	C	G4UPS	559
08301000	SM3JGG		C	G4UPS	599
09020800	SM7AED		C	G4UPS	559
09030800	SM7AED		C	G4UPS	559
09050800	SM7AED		C	G4UPS	559
09100800	SM7AED		C	G4UPS	559
09110800	SM7AED		C	G4UPS	559
09120800	SM7AED		C	G4UPS	559
09130800	SM7AED		C	G4UPS	339
09131335	SM4BRD			SM7AED AUR	
09131411	SM0KCR			SM7AED AUR	
09150751	SM7AED		C	G4UPS	559
09160800	SM7AED		C	G4UPS	559
09170800	SM7AED		C	G4UPS	559
09200800	SM7AED		C	G4UPS	559
09210800	SM7AED		C	G4UPS	449
09220801	SM7AED		C	G4UPS	579
09220834	SM3EQY		S	G4UPS	57
09230801	SM7AED		C	G4UPS	559
09280801	SM7AED		C	G4UPS	559
09290803	SM7AED		C	G4UPS	559
09300802	SM7AED		C	G4UPS	559
10100950	SM6KJX	(-1150)		9H5EE	

mainly in the UK. QSL via IK0FVC only.

News of North America

Canada: These reports of July DX are via SM7AED

07032041	VE3ELL	FN04	VP2MO
07032104	VE3ELL	FN04	VP2EE
07032123	VE3ELL	FN04	KP4RE
07052328	VE3ELL	FN04	CUIEZ

Costa Rica:

10232020	TI2NA/B	(-2100)	B	KD6GDL
10242020	TI2NA/B	(-2100)	B	KD6GDL
10252020	TI2NA/B	(-2100)	B	KD6GDL

Cuba: From *The World Above 50 MHz*: CM2JG, Jesus Gonzales, in EL83, was widely worked on 6 mtrs throughout the eastern US on August 11. Among the persons he talked with was Arne, CO2KK, who was visiting W3EP/1 at the time. WZ1V worked CO2KK in EL83 during a September 6 operation centered on Florida.

Mexico:

10150100	XE2LQB	DL98	KD6GDL
10210330	XE1J, XE1AVM	DK79, DK89	N6CA

St. Pierre & Miquelon Is.: *Six News* printed the following communications from Ron, FP4EK: "I work for Air St. Pierre as an engineer. We arrived in 1988 and I first operated as FP/VE1KM. After a couple of years I decided to sit the French amateur exam. This gave me FP4EK. First licensed in 1970 as VE3CZV, I'd also held the calls VE7EIH (1982), and VE1KM (1985) and was licensee for CY9CF (1990). On January 1 1993, I first used my new call, FP4EK.

Until recently, I had not considered the DX potential of 50 MHz. Then Harry Schools, KA3B, got in touch with me and ended up giving me a SSB 6m rig (10W PEP) with a Ringo Ranger antenna.

W4DR later gave me a 5 element beam, and I worked a few stations last year, but was discouraged by the low activity this year. Just a few weeks ago, a visiting DXpedition sold me their IC560 which opened up 6m cw work, but still only 10W. Soon I hope to put up a small tower."

United States:

09140150	CO,KS,NE via Es	S	K6QXY	
10150100	W6SKC/B	DM41 50.075	B	KD6GDL 59
10150100	W7US/B	DM42 50.068	B	KD6GDL 59

News of Oceania

Australia, Victoria: VK3OT has submitted 100 cards for DXCC.

Australia, Tasmania: VK7IK is the first and only VK7 to submit his cards for 50 MHz WAC.

French Oceania:

09070615	KH6HME	(-0815)	B	FO5DR
09070615	CH2, CH3	(-0815)	V	FO5DR
09140640	KH6HME & KH6HI	(-0840)	B	FO5DR
09140705	CH2	(-0840)	V	FO5DR WEAK
09190700	KH6HME	(-0800)	B	FO5DR
09190710	CH2	(-0800)	V	FO5DR WEAK
09200605	KH6HME & KH6HI	(-0805)	B	FO5DR
09200605	CH2, CH3	(-0805)	V	FO5DR
09200655	CH4	(-0805)	V	FO5DR
09260700	KH6HME & KH6HI	(-0830)	B	FO5DR
09260700	CH2	(-0830)	V	FO5DR
09260730	CH3	(-0830)	V	FO5DR
09270615	CH2	(-0815)	V	FO5DR

09270630+KH6HME & KH6HI (-0815) B FO5DR
 09270630+CH3 (-0815) V FO5DR
 09270640+CH4 (-0815) V FO5DR
 09280700+KH6HME & KH6HI (-0800) B FO5DR
 09280700+CH2 (-0800) V FO5DR

New Zealand: Word on the street is that the ZLs lost the use of 50-51 MHz a couple months ago. Could one of you who bought K6STI's YO-SIX optimize a 20-24' boom yagi (with more elements, I guess) for 50.0-51.1 MHz?

Papua/New Guinea: I thought we had an Internet connection to P29CW, but the last message I received was via an HF packet gateway. I registered with N0ARY.Arasmith.COM, and we'll see if this is more reliable than landline, as Pete's message said: "You would not believe how much trouble we're having trying to get a phone line quiet enough to get a modem to work on this end. I've pretty well given up on that now, as the success rate has been below 10% and we get charged on this end for every attempt! HI.

The good news is that HF packet works well from here (well OK, as well as it every does...), and Bob, N0ARY there in California has an Internet server on his packet BBS. He seems quite happy for me to use it to send you the logs from here for the Bulletin. ...

The band is picking up again here, nice after a couple of really dead months. I'm hearing JA, HL, DU and BV at least two nights a week right now for the last four weeks or so. It seems to be getting better as October goes on. I heard nothing of either Wake Island, or Mellish Reef, which was a shame! Some of the guys in Port Moresby say they think they heard Mellish for about 30 seconds in the noise on one afternoon, but no QSOs from that. Port Moresby is about 200 miles South of here, so maybe I was out of the zone (or out of the shack!) HI.

P29CW @ N0JN.CEB.PHL.OC"

News of South America

Brazil:

08251900 PY5CC		S SP3UCA
10102200 PY5CC	(-2210)	9H5EE
10112050 PY5CC	(-2059)	C ON4KST 539
10122045 PY5CC	(-2130)	9H5EE
10150100 PY5CC		ARIZ/W5OZI

Beacon News

Crete: The new SV9SIX beacon on 50.010 MHz transmits FSK sending: DE SV9SIX KM25NH 30W ERP. Tnx SM7AED.

Estonia: Arvo, ES0CB, is planning to replace the horizontal dipole antenna of the ES0SIX beacon (50.037) with an omni-directional horizontally-polarized antenna next spring. Tnx SM7AED.

The new ES6SIX beacon on 50.0113 MHz transmits CW sending: ES6SIX KO37MT (followed by a series of N (s), giving a continuous keying cycle. The transmitter output power is 10 Watts and the antenna is a ground plane 12 mtrs above ground at 85 mtrs asl. The beacon keeper is Tonu, ES6QB, and we have Tonu and ES6RGY to thank for this beacon.

Netherlands: The PA3FYM beacon @ 50.052 (the only 'regular' beacon in PA) is running for almost two years now only during work hours; i.e., 0830 - 1700 UTC. It is unclear if an unmanned license for this beacon will be issued, or if

operation will continue beyond December 31, 1993 when the Dutch PTT 50 MHz special permits expire.

Indicators

France: Serge, F5EMT, writes "I would like to inform you that Radio France is using the following QRGs for studio links (50.025 - 50.050 - 50.075 - 50.100). The duplex frequencies are 3 MHz down. Radio France has 39 local stations, but only 10-15 use 50 MHz links. This is one of the reasons why French amateurs are not authorized to transmit below 50.200 MHz. I work for the local radio, here in Clermont-Ferrand, but we do not use 50 MHz for our links." Tnx Six News.

Poland: Six News relays a note from SP2SWR: "TVP1 from Poland has an AM carrier on 50.250 MHz. In some parts of Poland 50 MHz is impossible to use because of this transmitter.

DX-pedition News

Bahamas: KM1E/C6AGN will be returning to Green Turtle Cay, Abaco Is. on December 5 and leaving February 23. He will probably be QRV on 6m Dec 7 or 8. A second visit is planned for May 94, but dates are still to be determined.

Caroline Is. KC6HY(JH4BGJ), KC6KA(JN1ATL), KC6NH(JH4OWG), KC6OM(JG1EGG), and KC6SH(JK1QHK) will be QRV on 6m from Belau Nov 20-23. QSL via JK1QHK.

Gozo Island: SM7AED indicated that 4 German hams were to operate as 9H3SA,B,C,D between October 10 and 20.

Jamaica: WA3HMK is considering going to 6Y5 for a week around the June 1994 VHF contest for 2mtr EME and 6mtr. He is looking for two or three other operators in accompanying him. Anyone interested, contact Chris Patterson, 725 Jake Landis Road, Lititz, PA 17543.

Turks & Caicos Islands: Chris, WA3HMK, wrote indicating he would be in VP5 between November 3 and November 11 with 6 mtr and 2 mtr equipment (2 mtr EME).

EME News

From Michael Owen, W9IP (via SM7AED): "Friends, I just received a message from Jorge Heraud, OA4LS, regarding an upcoming 6-meter EME test. The Jicamarca observatory (Lat 11°, 56' 53" S, Lon 76°, 52' 20" W, Grid FH18nb) has the largest 6-meter antenna in the world, 20,000 dipoles. Its gain is around 43 dBd and its beamwidth is 1°. The array is not readily steerable, so their Moon window is very brief. Date September 25, 1993 0050 UTC. Listen from 0040-0100. Note that this will be a transmit-only test; they will NOT be making any QSOs. They hope to QSY into the amateur 50 MHz band at a later date for QSOs depending on the success of this test. Consequently, it is important that they receive SWL reports."

SM7AED comments: the moon was not visible in Europe, most of Africa, Asia, or Oceania. I guess they had a very strong signal in the U S A.

Comments from K6QXY (who did find out about the tests in time, and said the signals weren't all that strong due to the wide bandwidth): The frequency was 49.920 MHz, the output average power < 55 kW. They transmitted 800 pulses per second over a 3-5 kHz band, and this was hand keyed on and off. W9IP was to relay the reports to Jicamarca. His address is Michael Owen, 21 Maple St., Canton, NY 13617.

Comments from your editor: Is this one for you? The coverage circle has a ground range of 9116 km (88°) from Jicamarca. A rough sketch I made on a map suggests Iceland, Spain, Nigeria, Hawaii, and Whitehorse NWT would be on the periphery of coverage; e.g., moon on the horizon. Declination 12°S includes some of the noisiest parts of the sky. Dates of possible future operations may be determined by noting that the moon must be between -11° and -13° declination. The moon is between these declinations only about 8 hours. Only two times in three months would the moon pass through this window. These numbers are rough, the moon subtends about 1/2° and the 3 dB beamwidth is -1/2° to +1/2°. Refraction will extend the ground range somewhat.

The indicated bandwidth would suggest a 250 µsec pulse width and a 20% duty cycle. On the other hand, the original modus operandi (circa 1961-2) was 500 µsec pulses, 50 pps, with a 150 kW driver and 4 MW PA.

From Bob, K6QXY: "We had a lot of fun over the EME contest weekend. On October 9 I worked OH2BC and W5FF. On October 10 I worked I5MXX, OZ5IQ, WA4HJP and on October 12 I worked SM7BAE (Single 9 el Yagi)!! OZ5IQ and SM7BAE were new countries, I have 105 now.

K6MYC, W6JKV and myself have now worked OZ5IQ. K6MYC and myself have worked SM7BAE."

Equipment Notes

Chris, WA3HMK, writes that N4HSM has modified the 2 mtr Commander Amplifier (3CX800—800 watts out) for 6 mtrs, and he is planning to do the same to a portable amplifier.

From SV1EN @ SV1IW.ATH.GRC.EU via SM7AED's newsletter: As the magic band is not at its best, the need for out of band monitoring (video channels, etc.) is becoming a must in order to predict any possible openings or study the band's behaviour in general.

It has been reported that many amateurs are still looking for mods for the Yaesu FT690 R-II in order to perform the above-mentioned task. A successful mod for this rig (requiring a new XTAL) has been made by SV1DH and is available on request (SASE please). SV1DH, Dr. C. Fimerelis, 23 Ailianou St., 112-54, Athens, GREECE. Editor—I have written SV1DH asking if we could publish the mods in our bulletin.

Mail Bag

Editor from Steve Smeltzer, KD6GDL

I have a possible answer to Sept. 1993 News of N. America—Mexico. {Bill, KE7CX, wanted QSL route for XE2LQB.} We in Southern California had an opening on October 15 at 0100 to Texas and Mexico (DL98), and I spoke with XE2LQB, Rafael, who said to QSL via XE2CPN at P.O. Box 251.

I hope this is helpful to Bill. If not, XE2LQB has frequent contacts with Pat, W5OZI. Maybe Bill could contact Pat, W5OZI for more info.

The opening lasted two hours, and the last 30 minutes brought in Arizona. We never hear skip this close, must be backscatter, I guess. I heard the W7US and W6SKC beacons in DM42 and DM41 respectively.

Steve Smeltzer, KD6GDL, 8351 Bashan Lake Ave., San Diego, CA 92119

Dear Victor, from Pat Rose, W5OZI

I had a very FB opening on October 13 between 0027-0058 to XE1ABA (DK89) and XE1AVM (DK79)—signals were S-9 + 50 dB. My friend, XE2LQB (DL98) worked them also.

Then, last night, October 15 at 0015, we had an excellent Es opening to Southern CA, AZ & NM. I turned in early at 0200Z, after working about a dozen stations, but I think it went on a lot longer. Also, during that opening, I worked PY5CC—he was not strong here, but I believe he and PP5WL were both very loud in CA & AZ. (The guys down south disclaim this, but said that their understanding was that PY5CC was in to AZ & W5OZI.)

XE2LQB told me today he had 44 QSOs during that Es opening. He was really excited about it! As you may know, I loaned him an IC-551D & 5 element beam last July in an attempt to spur 6 mtr activity in Mexico, and he is doing an excellent job from his home QTH as well as many other rare grids in Northern Mexico. He tells me that during the Christmas holidays he will operate for several days from Torreon (DL85). I need that one!

Will you kindly publish his address for the guys who need his card? His callbook address is not good. He has 1000 new QSL cards, and will QSL 100% upon receipt of SASE—(US 29¢ stamped envelope OK).

Rafael Ortiz, XE2LQB
Zaragoza 385 Sur
Nava, Coah. 26170
MEXICO

Pat Rose, W5OZI, P.O. Box 393, Junction, TX 76849

Dear Vic, from Bill Wiseman, KM1E

Just had to let you know how much your efforts to resurrect and breath new life into the 50 MHz Bulletin are appreciated. The 1992 September issue #9 on "Atmospheric response to Solar Flares" was entirely new to me. The information on "Atmospheric Electrical Enhancements" and "Geomagnetic Effects on Atmospheric Pressure" were also very thought provoking. I really like the blend of reports and background pieces.

I also like and support your venture into reporting 144 Mhz Es openings because there is a great deal of inter-relationship between 50 MHz & 144 Mhz opening using this propagation mode.

Bill Wiseman, KM1E, P.O. Box 120, Woolwich, Maine, 04579

Dear Victor, from Bob Magnani, K6QXY

The technical part of the news letter is great. I'll try and send you some EME data as we develop it; i.e., noise blankers, audio filters, receivers, DSP, etc.

I've written a letter to EK0LJA (UW0MF). Hope he receives it. I think it is possible to work him on Es around 0400-0700Z when we have KL7 & VE8 openings, but am not sure he can transmit then or even listen.

Bob Magnani c/o Ferrera & Associates, 1500 Los Alamos Rd, Santa Rosa, CA 95409-3308